

**In the Abstract**

Please amend the abstract by amending the present abstract as follows:

-- This invention relates generally to the end derivatization of single-wall carbon nanotubes, ~~and to the introduction of endohedral groups to single wall carbon nanotubes.~~ In one embodiment, the single-wall carbon nanotubes are chemically derivatized at their ends (which may be made either open or closed with a hemi-fullerene dome). ~~In another embodiment, the single wall carbon nanotubes can be modified endohedrally, such as, for example, by including one or more metal atoms inside the structure or, alternatively, by loading the single wall carbon nanotubes with one or more smaller molecules that do not bond to the structures.--~~